CLAIMS

1. A hemodialysis port comprising:

a housing defining a plurality of interconnected chambers, each said chamber having a bottom portion and sidewall portions;

a septum attached to said side wall portions of each said chamber enclosing said chamber; and

a spring mechanism disposed between said sidewalls and said septum and applying an inward force on said septum.

2. A port as claimed in claim 1, wherein said septum comprises a material having a durometer between 30 and 55.

3. A port as claimed in claim 1, wherein said spring mechanism having sufficient force to close an opening in said septum caused by a needle or other medical instrument.

4. A port as claimed in claim 1, said bottom portion further comprising a titanium insert covering at least a portion of said bottom portion of said port.

5. A port as claimed in claim 1, wherein said housing comprising a flexible material having a flexibility for a particular patient's anatomical structure.

6. A port as claimed in claim 1, wherein said septum comprising silicon rubber.

7. A port as claimed in claim 1, wherein said ports are connected together to a manifold to provide a single inlet/outlet to and from said ports.

8. A method for performing hemodialysis, comprising the steps of:

inserting at least one multi-port device under the skin of a patient;

inserting a needle and sheath through said skin and into one of said ports of said multi-port device;

removing said needle from within said sheath, leaving said sheath in said port; and

inserting a cannula and obturator into said sheath and drawing from said cannula blood from within said port.

9. A method as claimed in claim 8, said method further comprising the step of removing said cannula and obturator and said sheath from said port and said skin.

10. A hemodialysis method comprising the steps of:

inserting a multi-port device under the skin of a patient;

inserting a hollow needle into one of the ports of said multi-port device through the skin of said patient;

inserting a guidewire through said needle and into said port;

removing said needle from said port and said patient; and

inserting an introducer over said guidewire and into said port.